

## SCALLOP TRAWLHAUL LOG

This log contains detailed questions about the setting, hauling and fishing time of the gear, as well as the haul's catch. Complete a new log after each hauling of gear. If you feel that you cannot go on deck for weather-related safety reasons, record as much information on this log as possible (*i.e.*, Header Information, weather, depths, times, positions, *etc.*). **If the haul is not observed because you are off-watch, complete a Scallop Trawl Off-Watch Haul Log instead of this log.**

The species summary section of this log should be used to record catches of all species (some exceptions listed below), debris and shells. Species caught that should not be recorded on this particular log include: pelagic species (*i.e.* swordfish, billfish, tuna, bonito, sharks, *etc.*), sturgeons, rays or tagged fish. Those species must be recorded on an Individual Animal Log. All Marine mammals, sea turtles, and sea birds must be recorded on a Marine Mammal, Sea Turtle, and Sea Bird Incidental Take Log. See Appendix R. Species List and Corresponding Logs for a list of species and the log(s) on which to record them.

If there are insufficient lines on one form for all species caught in this haul, continue listing species on an additional Scallop Trawl Haul Log, making sure to complete all of the Header Information (A-C), GEAR CODE (D), GEAR NUMBER (1) and HAUL NUMBER (E).

If information is unavailable or unknown to any question except a "No/Yes" question, record a dash (-) in the field. If the answer to a "No/Yes" question is unknown, record a "9" on the line next to the code for "No" to indicate that a field was not skipped, but the answer is unknown. If a field relates to a question to which you previously answered "No", leave the field blank.

Become familiar with the following definitions.

### DEFINITIONS

**Haul Begin:** First component of net deployed, *i.e.* net hits the water.

**Haul End:** Hauling equipment put into gear.

### INSTRUCTIONS

For instructions on completing fields **A - W**, refer to the Common Haul Log Data section of the NEFSC Observer Program Manual.

**1. GEAR NUMBER:** Record the gear number used for this haul as uniquely identified on the appropriate Scallop Trawl Gear Characteristics Log.

**2. GEAR CONDITION:** Indicate the condition of the gear at haulback, even if this was the condition of the gear when set, by recording the most appropriate two digit code listed below, and in Appendix J. Gear Condition Codes:

- 000 = Unknown.
- 010 = No gear damage, or very few small, scattered holes.
- 020 = Wings twisted or torn, not exceeding 50% of meshes.
- 030 = Wings twisted or torn, exceeding 50% of meshes.
- 040 = Square and/or bosom torn, not exceeding 50% of meshes.
- 050 = Square and/or bosom torn, exceeding 50% of meshes.
- 060 = Belly torn, not exceeding 25% of meshes.
- 070 = Belly torn, exceeding 25% of meshes.
- 080 = Codend and/or extension piece torn, not exceeding 10% of meshes.
- 090 = Codend and/or extension piece torn, exceeding 10% of meshes.
- 100 = Hang-up, causing gear to be hauled back before scheduled time; minor damage.
- 110 = Parted legs, sweep, or headrope.
- 120 = Tear up exceeding gear condition of code 02, but not total net destruction.
- 130 = Obstruction in the gear, such as a large amount of fixed gear, boulders, *etc.*
- 140 = Crossed doors.
- 150 = Open codend.
- 160 = Major hang-up, tear-up, or loss of gear.
- 170 = Grate clogged with fish or debris.
- 990 = Other, specify in COMMENTS.

**3. BEGIN/END DATE:** Record the month, day, and

year, based on local time, that this haul began and ended.

**4. BEGIN/END TIME:** Record the local time, using the 24 hour clock (0000-2359), that this haul began and ended, *i.e.*, when the first component of the net(s) is (are) deployed, or the net(s) hit the water (Haul Begin), and when the hauling equipment is put into gear (Haul End).

**5. NET OBSERVED:** Record the net(s) from which both kept and discard data was collected for this haul by placing an "X" next to the appropriate code:

- 1 = Port
- 2 = Starboard
- 3 = Both
- 4 = Aft

**NOTE:** Both nets should be observed during on-watch hauls.

**NOTE:** If only one net is observed for weather or safety related reasons, record only the catch data from this net in the Species Information section.

**NOTE:** Aft refers to a single net fished over the stern of the vessel.

**6. TOW SPEED:** Record, to the nearest tenth of a knot, the average towing speed, over the bottom, for this haul.

**7. WIRE OUT:** Record, in whole fathoms, the amount of wire paid out for this haul. This measurement is taken from the towing blocks to the trawl doors. This information may be obtained from the captain.

**8. DATE/TIME FISHING BEGINS:** Record the local date (month, day, and year) and time, using the 24 hour clock (0000-2359), that the gear is fully deployed and actively fishing (this may be when the brakes are put on).

**9. DATE/TIME GEAR ONBOARD:** Record the local date (month, day, and year) and time, using the 24 hour clock (0000-2359), that the gear from this haul is completely out of the water.

**NOTE:** The next four fields, NUMBER OF BUSHEL KEPT (#10), NUMBER OF BUSHEL DISCARDED (#11), AVERAGE POUND PER BUSHEL KEPT (#12) and AVERAGE POUND PER BUSHEL

DISCARDED (#13) are optional and are to be filled out at the discretion of the observer.

**10. NUMBER OF BUSHEL KEPT:**

Open and Access Area Trips: Record, to the nearest hundredth of a bushel, the amount of scallops, **in the shell**, kept from this haul.

**NOTE:** If entire kept scallop weight is actual in species section of haul log then dash field.

**11. NUMBER OF BUSHEL DISCARDED:**

Open and Access Area Trips: Record, to the nearest hundredth of a bushel, the amount of scallops, **in the shell**, discarded from this haul.

**NOTE:** If entire discard scallop weight is actual in species section of haul log then dash field.

**12. AVERAGE POUND PER BUSHEL KEPT:**

Open Area Trip: Record, to the nearest tenth of a pound, the **average** weight per bushel of scallops, **in the shell**, kept from this haul.

**NOTE:** This number should reflect the observer's average for several baskets, not the captain's estimate.

Access Area Trip: Record, to the nearest tenth of a pound, the average weight per bushel of **shucked scallop meats** from this haul. Use meats shucked by the crew to be a representative measurement of how scallops are cut for this trip.

**NOTE:** If number of bushels kept is zero then dash field (for both Open Area and Access Area trips).

**13. AVERAGE POUNDS PER BUSHEL DISCARDED:**

Open and Access Area Trips: Record, to the nearest tenth of a pound, the **average** weight per bushel of scallops, **in the shell**, discarded from this haul.

**NOTE:** This number should reflect the observer's average for several baskets, not the Captain's estimate.

**NOTE:** If number of bushels discarded is zero then dash field.

**14. NUMBER OF TURNS:** Record the number of significant turns the vessel makes during this haul *i.e.*, greater than 90 degrees. This information may be obtained from the Captain.

- NOTE:** This field should be filled out for both observed and unobserved hauls.
- NOTE:** If no turns are made during this haul, record a zero.
- NOTE:** If the number of turns is unknown, record a dash.

**15. WATER TEMPERATURE:** Record, to the nearest tenth of a degree Fahrenheit, the surface sea water temperature when the gear has been set and the winches are locked. The temperature must be recorded for every on-watch observed haul during the entire trip.

- NOTE:** Use a "ScoopMaster" thermometer to obtain this temperature.
- NOTE:** If an incidental take occurs in this haul, a WATER TEMPERATURE **must** be recorded.

**16. SEA SCALLOP CLAPPERS OBSERVED?:** Record whether **sea scallop** clappers are found in the gear from this haul by placing an "X" next to the appropriate code:

- 0 = No.
- 1 = Yes.

- NOTE:** Include pounds of clappers in the species of the Haul Log with a disposition code of 054 (empty shells).

## OPENING OF NET

**NOTE:** The following 3 fields, VERTICAL OPENING (#17), HORIZONTAL OPENING (#18), and DOOR SPREAD (#19), should only be filled out if Gear Mounted Electronics are used.

**17. VERTICAL OPENING:** Record, in whole feet, the average distance from the top of the mouth to the bottom of the mouth while the net is fishing. This information may be obtained from the Captain.

**18. HORIZONTAL OPENING:** Record, in whole feet, the average width of the mouth of the net, from wing tip to wing tip, when the doors are open while the net is fishing. This information may be obtained from the Captain.

## 19. DOOR SPREAD:

If one set of doors are used: Record, in whole feet, the average distance from the door on the side of the net

to the door on side of the net while the net is fishing. This information may be obtained from the Captain. If two sets of doors are used: Record, in whole feet, the door spread between each set of doors. Add those two values together and record the sum in the space provided. This information may be obtained from the Captain.

## COMMENTS

Record any additional information regarding this haul, *i.e.* unusual species caught, uncommon catches, tear-ups, reason to expect the gear was not fishing properly, *etc.* If turns were made during the haul, note whether the doors were left in the water (both, starboard, or port). If more room is needed, use the back of this log, making sure to write "See Back" on the front of the log. Reference each comment with its corresponding field name.